

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (previously presented) An array of protein-binding agents stably attached to the surface of a solid support, said array comprising:

a solid substrate having a substantially planar surface comprising a layer of aluminum formed on a glass base material, the aluminum coated with a silicon dioxide coating configured to amplify a fluorescent signal from a labeled protein bound to the array;

a plurality of different protein-binding agents bound to said substrate, each of said protein-binding agents comprising,

an anchoring segment stably bound to the substrate surface,

a peptidomimetic protein-binding segment, and

a linker segment connecting and separating the anchoring and peptidomimetic segments.

2-59. (canceled)

60. (previously presented) The array of claim 1, wherein said substrate surface further comprises an organic chemical modification group between the oxide and the protein-binding agents.

61. (previously presented) The array of claim 60, wherein said organic chemical modification group comprises an aminosilane.

62. (previously presented) The array of claim 61, wherein said aminosilane is functionalized with a maleimide.

63. (previously presented) The array of claim 62, wherein said peptidomimetic segment is a peptoid.

64. (previously presented) The array of claim 63, wherein said linker segment is selected from the group consisting of C2 - C100 aliphatic chains, polyethylene oxide, an orthogonal peptidomimetic or peptide oligomers.

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